STATE OF UTAH  DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING  FORM 3  AMENDED REPORT								
APPLI	CATION FOR	PERMIT TO DRILL	-		1. WELL NAME and	NUMBER Thurston 8-9-9-24		
2. TYPE OF WORK  DRILL NEW WELL	REENTER P8	&A WELL DEEPE	EN WELL		3. FIELD OR WILD	<b>CAT</b> EVILS PLAYGROUND		
4. TYPE OF WELL Gas We	ell Coalb	ped Methane Well: NO			5. UNIT or COMMU	INITIZATION AGRE	EMENT NAME	
6. NAME OF OPERATOR	THURSTON ENER	RGY OPERATING			7. OPERATOR PHO	NE 214 704-3896		
8. ADDRESS OF OPERATOR 365 \	W. 50 N. Ste W-8	8, Vernal, UT, 84078			9. OPERATOR E-M.	AIL on@thurstonenergy.c	om	
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)		11. MINERAL OWNE			12. SURFACE OWN	IERSHIP		
U-5217	- !faa!\	FEDERAL ( IND	OIAN () STATE (	) FEE		IDIAN STATE	FEE	
13. NAME OF SURFACE OWNER (if box 12						IER PHONE (if box 1		
15. ADDRESS OF SURFACE OWNER (if box	( 12 = 'fee')				16. SURFACE OWN	IER E-MAIL (if box	12 = 'fee')	
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		18. INTEND TO COM MULTIPLE FORMATI YES (Submit C		-	VERTICAL DIRECTIONAL HORIZONTAL			
20. LOCATION OF WELL	FO	OOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN	
LOCATION AT SURFACE	1714 F	FNL 669 FEL	SENE	9	9.0 S	24.0 E	S	
Top of Uppermost Producing Zone	1714 F	FNL 669 FEL	SENE	9	9.0 S	24.0 E	S	
At Total Depth	1714 F	FNL 669 FEL	SENE	9	9.0 S	24.0 E	S	
21. COUNTY UINTAH		22. DISTANCE TO N	EAREST LEASE LIN 669					
		25. DISTANCE TO N (Applied For Drilling		AME POOL	<b>26. PROPOSED DEPTH</b> MD: 8000 TVD: 8000			
27. ELEVATION - GROUND LEVEL		28. BOND NUMBER		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE				
5133			UT-000181					
		A	TTACHMENTS					
VERIFY THE FOLLOWING	ARE ATTACH	IED IN ACCORDAN	CE WITH THE UT	AH OIL AND	GAS CONSERVAT	ION GENERAL RU	JLES	
WELL PLAT OR MAP PREPARED BY	LICENSED SUR	RVEYOR OR ENGINEER	г	PLETE DRILLIN	G PLAN			
AFFIDAVIT OF STATUS OF SURFACE	OWNER AGRE	EEMENT (IF FEE SURF	ACE) FORM	FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER				
DIRECTIONAL SURVEY PLAN (IF DI	RECTIONALLY	OR HORIZONTALLY	<b>№</b> торо	GRAPHICAL MA	AP			
NAME Russell H. Cox	тіп	<b>FLE</b> Operations Manager	r	PHONE 43!	5 789-8580			
SIGNATURE   DATE 12/27/2010				EMAIL russ	sell.cox@thurstonener	gy.com		
<b>API NUMBER ASSIGNED</b> 43047514280000	АР	PROVAL		Bro	ocyill			
				Perr	nit Manager			

API Well No: 43047514280000 Received: 12/27/2010

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Prod	7.875	5.5	0	8000		
Pipe	Grade	Length	Weight			
	Grade N-80 LT&C	8000	17.0			Г
					Г	Г

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API Well No: 43047514280000 Received: 12/27/2010

Proposed Hole, Casing, and Cement						
String	Hole Size	Casing Size	Top (MD)	Bottom (MD)		
Surf	12.25	8.625	0	2000		
Pipe	Grade	Length	Weight			
	Grade J-55 ST&C	2000	24.0		Т	Г
					Τ	

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365 West 50 North STE. W-8 Vernal, UT 84078 (435)789-8580

#### 10 Point Plan

#### **Thurston Energy Operating Company**

#### Thurston 8-9-9-24

Surface Location SE ¼ NE ¼ of Section 9, T9S, R24E, S.L.B.&M.

#### 1. Surface Formation

Green River

## 2. Estimated Formation Tops and Datum

<u>Formation</u>	Depth	<u>Datum</u>		
Green River	Surface	+5,133' G.L.		
Wasatch	4,377'	+850'		
Mesaverda	6,208'	-1091'		
TD	8000	-2883'		

A 12 ½" hole will be drilled to 2,000'±. The hole will depend on the depth that the Birds Nest Zone is encountered. The hole will be drilled 400' beyond the top of the Birds Nest.

#### 3. Production Formation Depth

Formation objective includes the Green River, Wasatch, Mesaverde and its submembers.

#### Off Set Well information:

#### Poposed:

RWS 6D-9-9

RWS 5ML-9-9

RWS 12ML-9-9

RWS 4D-9-9

RWS 13D-9-9

Bonanza 9-24-12

Bonanza 9-24-23

Bonanza 9-24-34

Bonanza 9-24-14

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#### **Abandon Location:**

Federal 11-9 Little Bonanza Fed 1-3 CONFIDENTIAL State 14-16

#### **Abandon Wells:**

Little Bonanza 1-4 Bonanza 2B-16 Federal 1-9

**Producing Wells:** 

Thurston 7-9

**Shut in Wells:** 

RWS 3ML-9-9 Dirty Devil 51-15A Devils Playground 41-9

# 4. Proposed Casing:

Hole	Casing	Weigh	nt	Coupling	Casing	New/
Size	Size	#/FT	Grade	&Thread	Depth	Used
12 1/4"	8 <sup>5</sup> / <sub>8</sub> "	24#	J-55	STC	2000'	New
7 <sup>7</sup> / <sub>8</sub> "	5 ½"	17#	N-80	LTC	8000'	New

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# **Cement Program:**

# Surface Casing will be cemented from 2000' to surface as follows:

	Casing	Cement	Cement	Cement	Cement
	Size	Type	Amounts	Yield	Weight
Lead	8 <sup>5</sup> / <sub>8</sub> "	Premium V	250 <sup>sks</sup> ±	3.82ft <sup>3</sup>	11.0 <sup>ppg</sup>
		100%, Gel 16%, Gisonite 10# sack Salt 3%, Flocele .		<b>Y</b>	
		TE			
Tail	8 <sup>5</sup> / <sub>8</sub> "	Premium G	300 <sup>sks</sup> ±	1.15ft <sup>3</sup>	15.8 <sup>ppg</sup>
		Class "G CNT 100 Calcium Chloride : Flocele .25# sks			
Top Job	8 <sup>5</sup> / <sub>8</sub> "	Premium G	100 <sup>sks</sup> <u>+</u>	1.15ft <sup>3</sup>	15.8 <sup>ppg</sup>
		Class G CMT 100 Calcium Chloride Flocele 60# 50 Ga			

# Production Casing will be cemented from TD to 1800' or higher as follows:

	Casing	Cement	Cement	Cement	Cement
	<u>Size</u>	Type	Amounts	Yield	Weight
Lead	5 ½"	Premium V	440 <sup>sks</sup> +	3.82ft <sup>3</sup>	11.0 <sup>ppg</sup>

Prem Lite II. .05#/sk Static free, .25#/sk Cello Flake, 5#sk KOL Seal, .002 gps FP-6L, 10% Bentonite, .5% Na2SiO3, 3% KCL

365 West 50 North STE. W-8 Vernal, UT 84078 (435)789-8580

Tail 5  $\frac{1}{2}$ " Premium G  $375^{\text{sks}} \pm 1.56 \text{ft}^3$  14.3 Premium G

Class "G", .05% Static Free, 2 NaCi, .1% R-3, 2% Bentonite

Top of tail @4000'

# 5. BOP and pressure Containment Data:

The anticipated bottom hole pressure will be less than 3000 psi.

A 3000 psi WP BOP system as described in the BOP and pressure Containment Data (attached) will be installed and maintained from the 8 <sup>5</sup>/<sub>8</sub>" surface casing. The BOP system including the casing will be pressure tested to minimum standers set forth in "On Shore Order #2". The BOP will be mechanically checked daily during drilling operations.

## 6. Mud Program:

Interval	Mud <sup>wt</sup> lbs/gal	Vis. Sec/qt	Fluid Loss M1/30 <sup>mins</sup>	Mud Type
0-2000	Air/clear water	N/A	No control	Air/Water
2000-TD	8.4-12.0	30	8-10	Water/Gel

## 7. Auxiliary Equipment:

Upper Kelly cock, full opening stabbing valve, 2 ½" choke manifold and pit level indicator.

#### 8. Testing, Coring, Sampling and logging:

- a) Test: None are anticipated
- b) Coring: Possibility of sidewall coring
- c) Sampling: Every 10' from 2000' to TD
- d) Logging: Type: DLL/SFL W/GR and SP @ Interval: TD to Surface Casing. Type: FDC/CNL W/GR and CAL @ interval: TD to Surface Casing.

365 West 50 North STE. W-8 Vernal, UT 84078 (435)789-8580

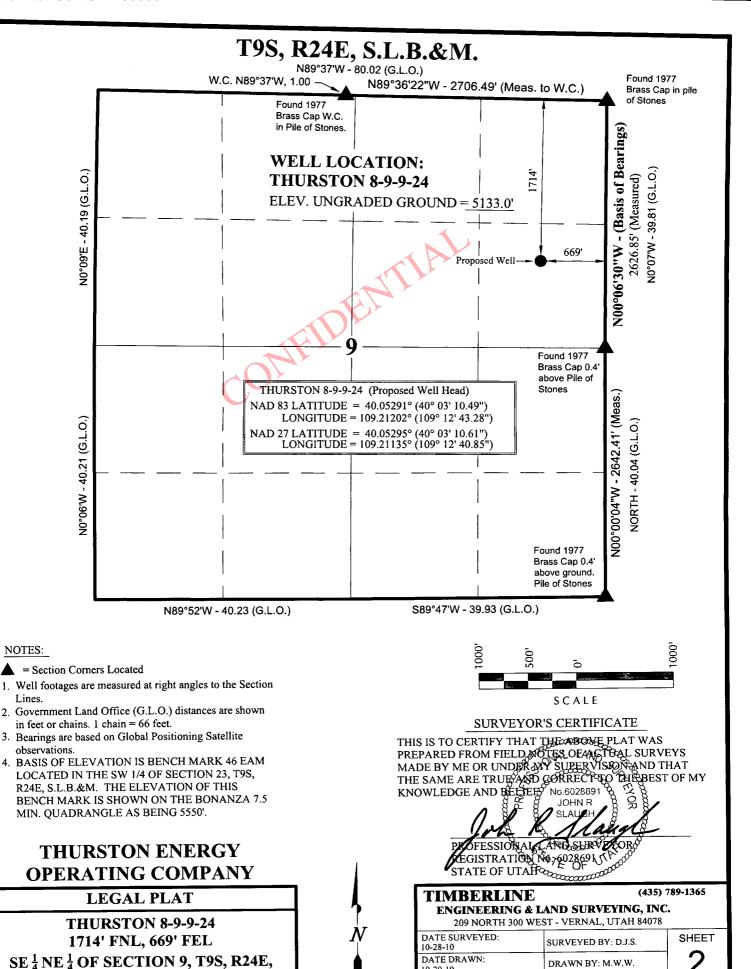
# 9. Abnormalities (including sour gas):

No abnormal pressures, temperatures or other hazards are anticipated. Oil and gas shows are anticipated in the Green River and Wasatch formations. Other wells drilled in the area have not encountered over pressured zones or H2S.

# 10. Drilling Schedule:

The anticipated starting date is 04/01/2011 Duration of operations is expected to be 30 days.

S.L.B.&M., UINTAH COUNTY, UTAH.



10-29-10

SCALE: 1" = 1000"

DRAWN BY: M.W.W.

Date Last Revised:

Z

OF 11

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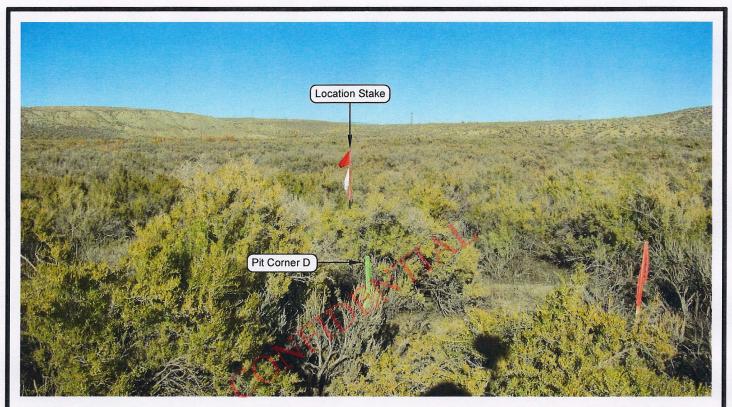


PHOTO VIEW: FROM PIT CORNER D TO LOCATION STAKE CAMERA ANGLE: NORTH EASTERLY

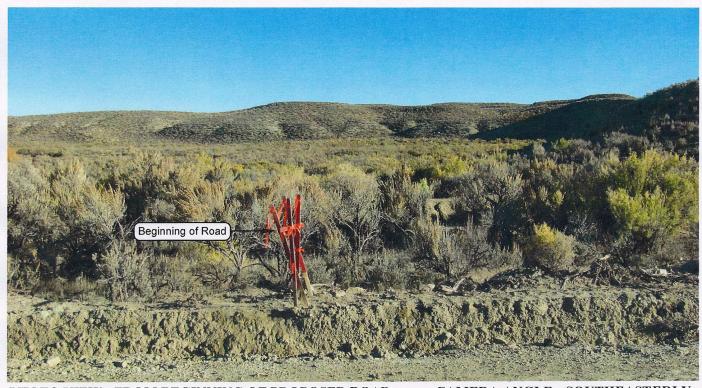


PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

**CAMERA ANGLE: SOUTHEASTERLY** 

# THURSTON ENERGY OPERATING COMPANY

## **LOCATION PHOTOS**

THURSTON 8-9-9-24 1714' FNL, 669' FEL SE  $\frac{1}{4}$  NE  $\frac{1}{4}$  OF SECTION 9, T9S, R24E, S.L.B.&M., UINTAH COUNTY, UTAH.

#### **TIMBERLINE**

(435) 789-1365

#### ENGINEERING & LAND SURVEYING, INC.

209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN:
10-28-10

DATE DRAWN:
10-30-10

Date Last Revised:

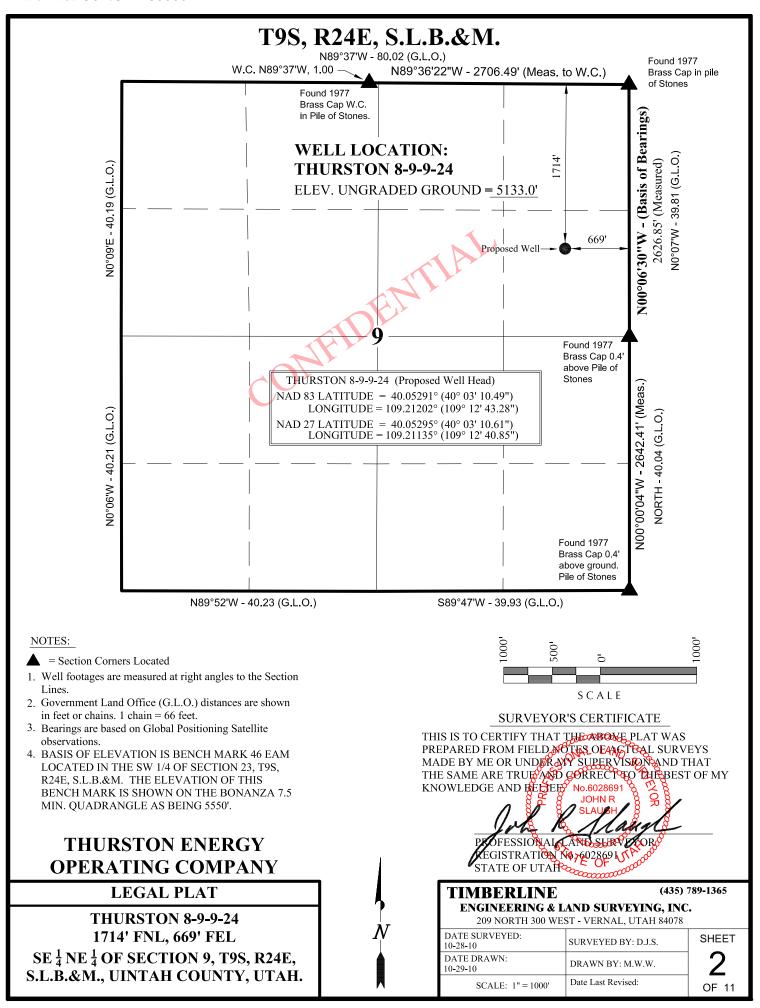
PHOTOS TAKEN BY: D.J.S.

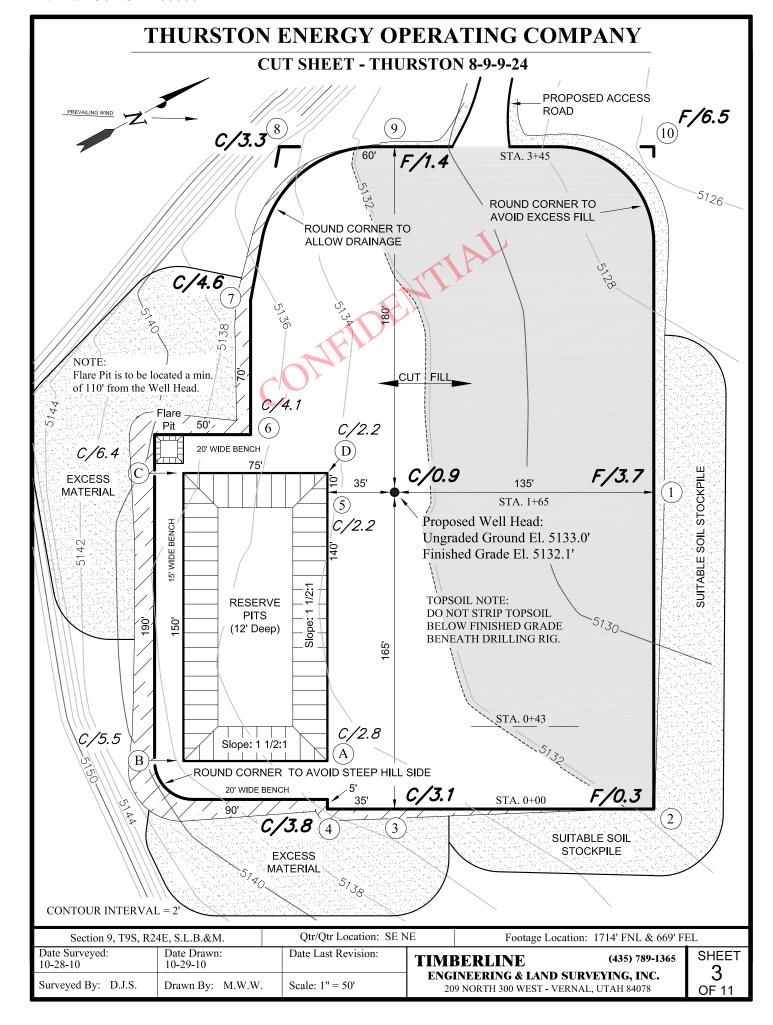
PHOTOS TAKEN BY: D.J.S.

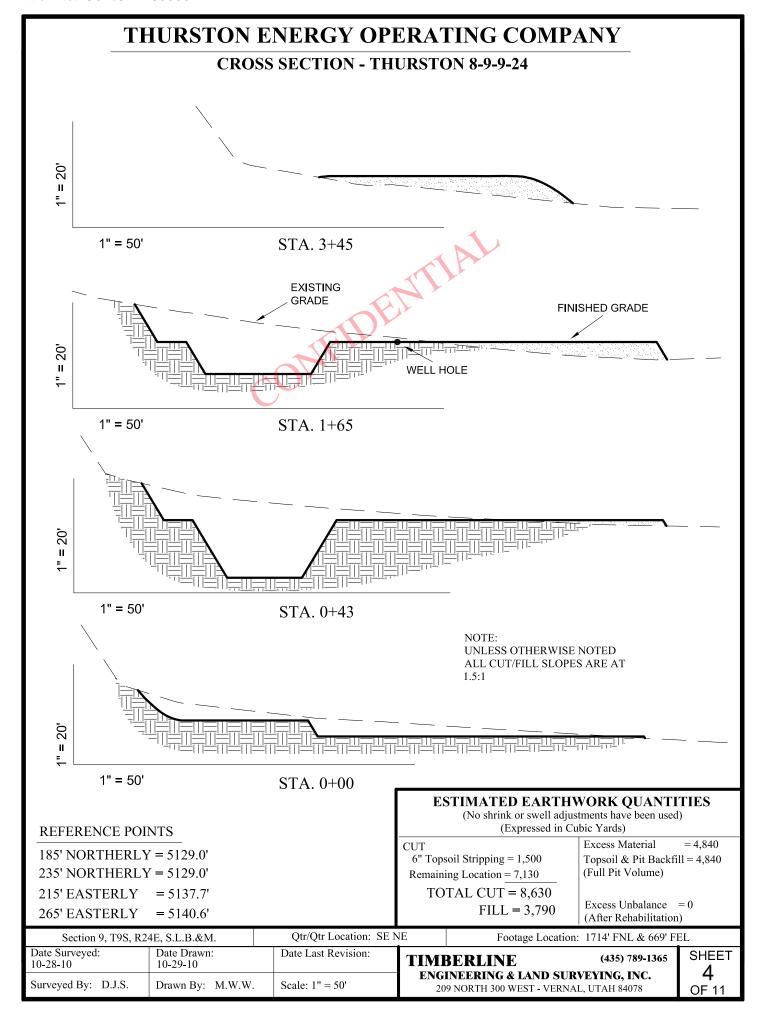
DRAWN BY: M.W.W.

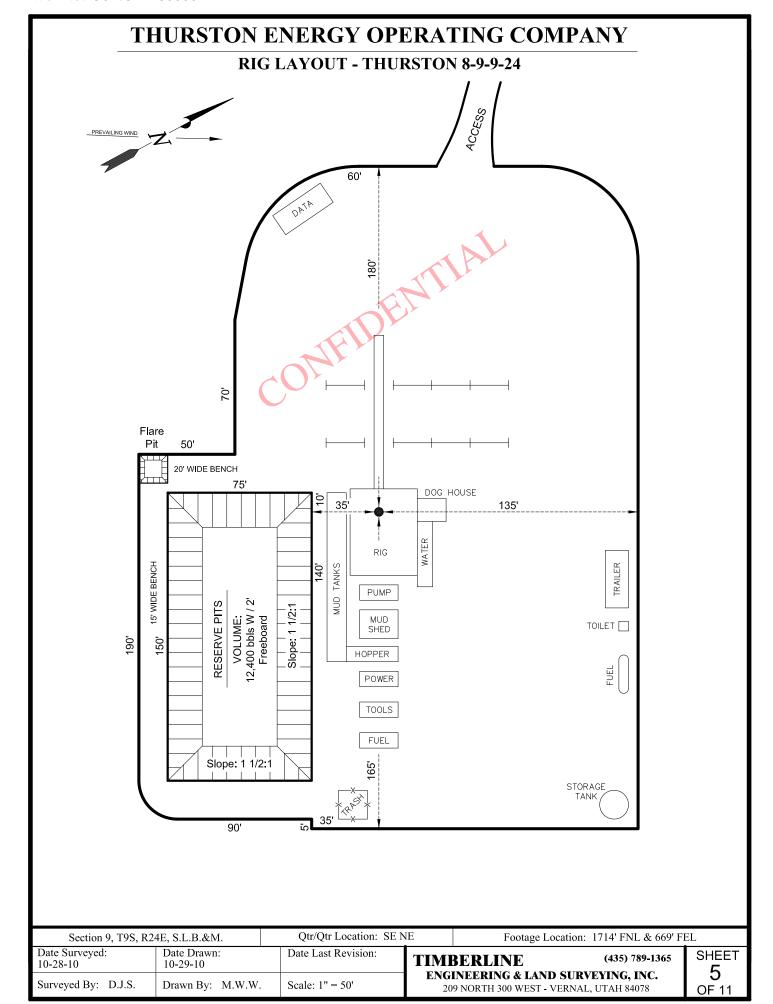
**1** OF 11

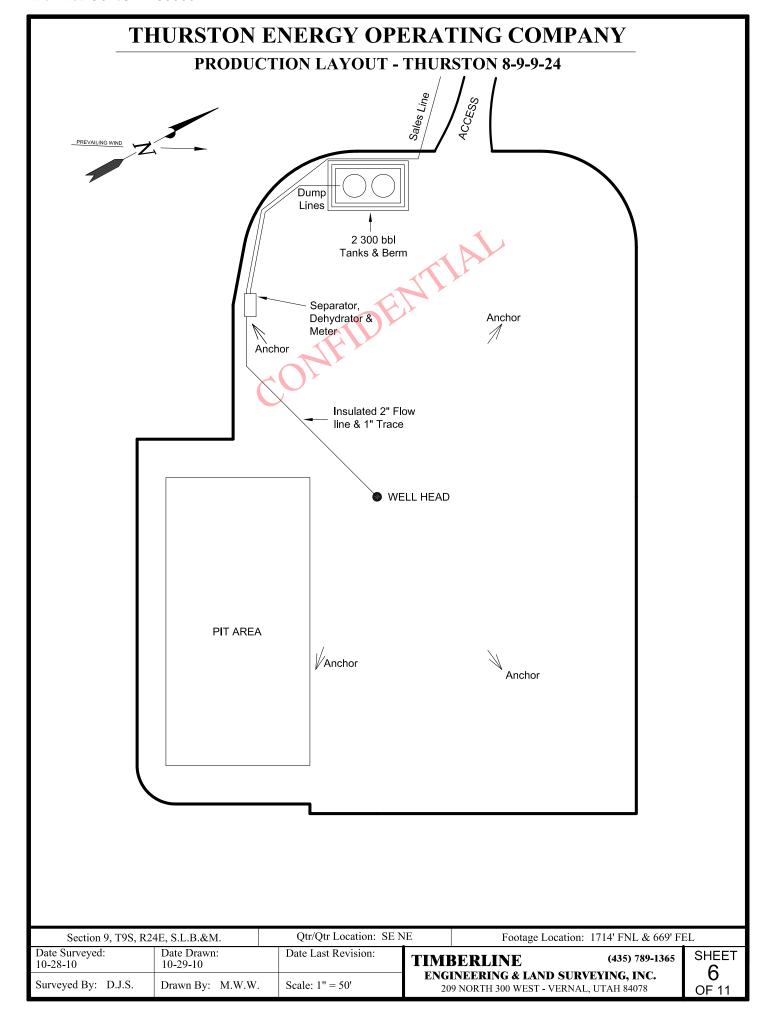
SHEET

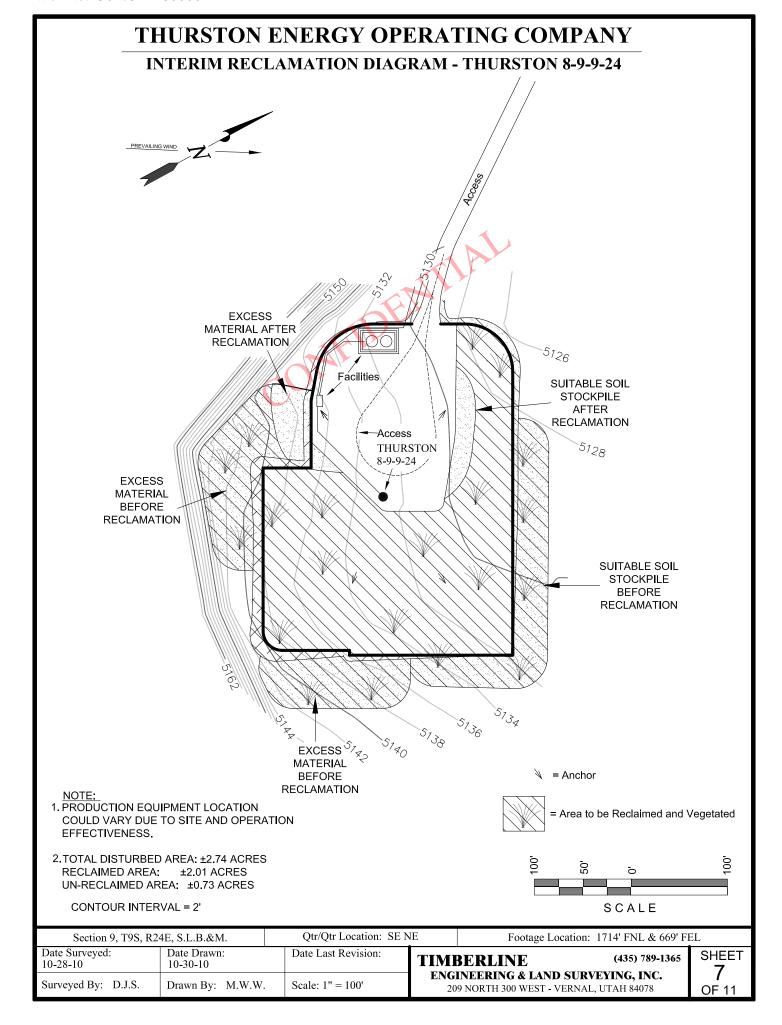


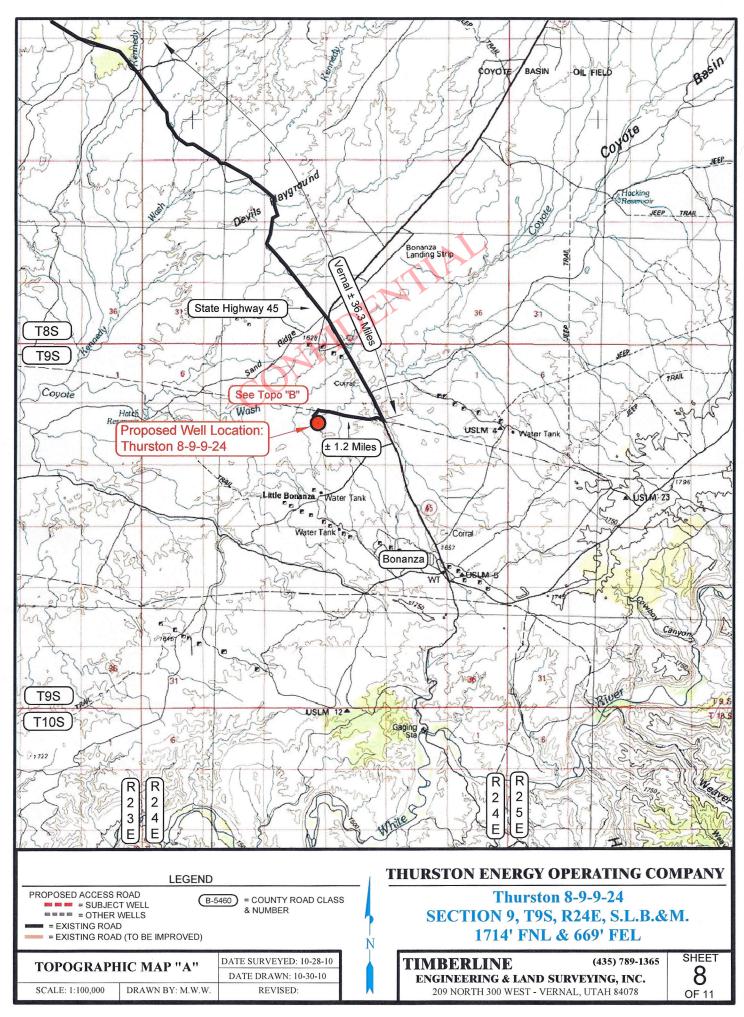


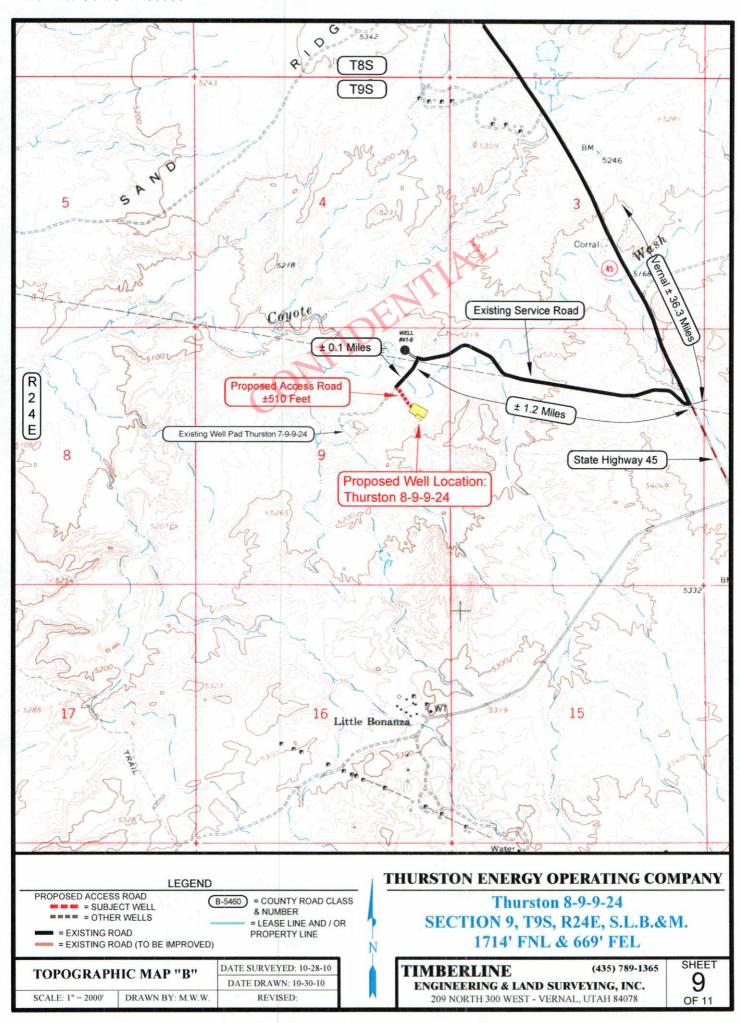


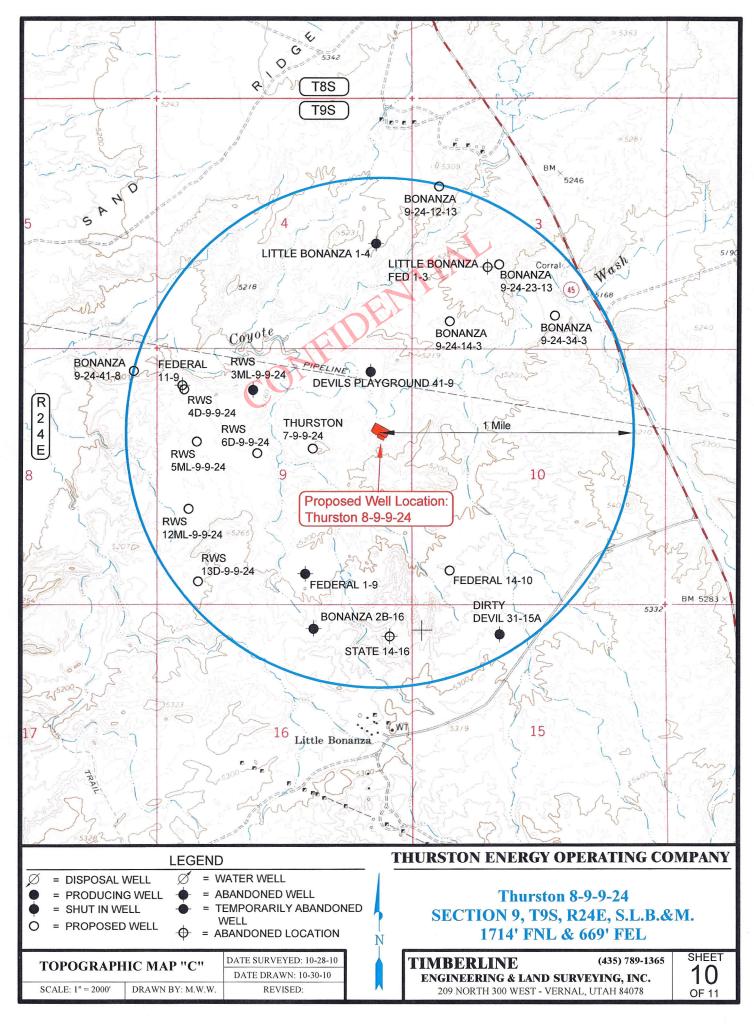


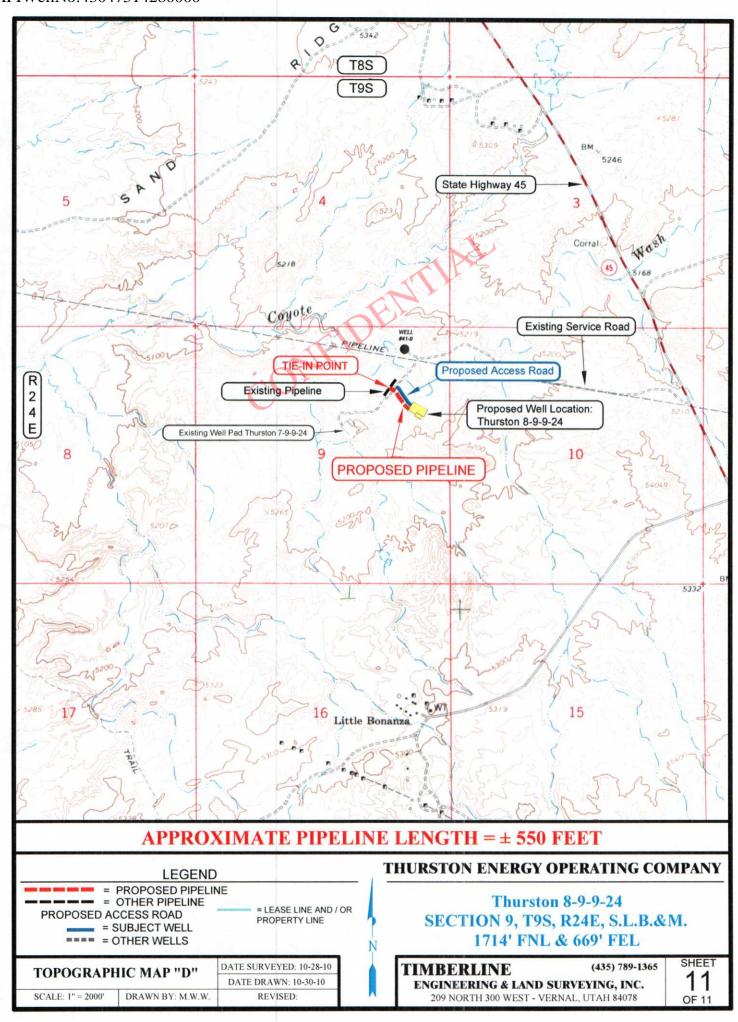








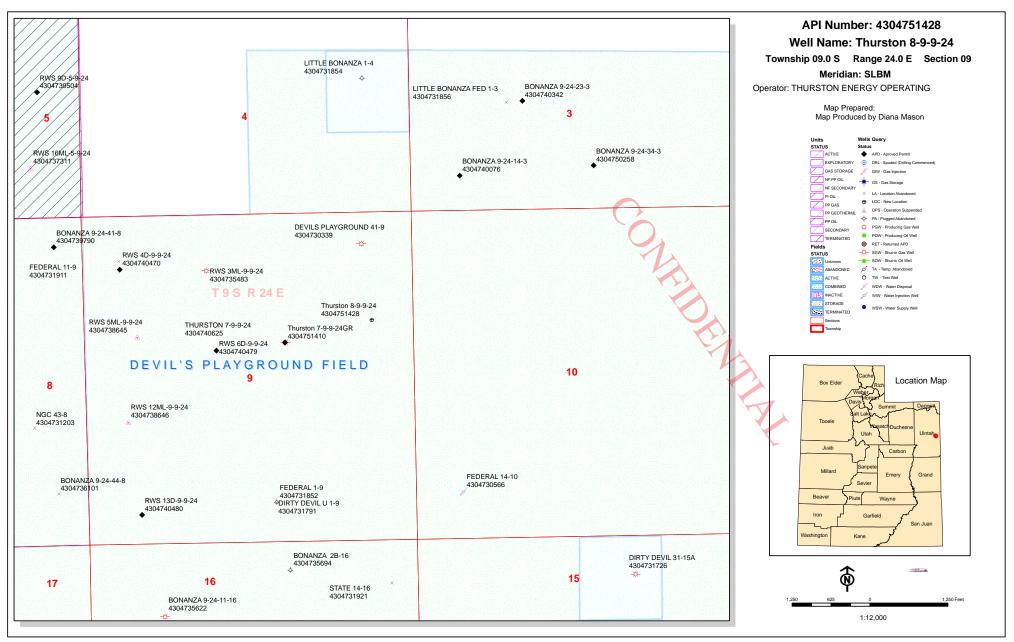




# THURSTON ENERGY OPERATING COMPANY Thurston 8-9-9-24 Section 9, T9S, R24E, S.L.B.&M.

From the intersection of U.S. Highway 40 and 500 East Street in Vernal, Utah, proceed in an easterly then southerly direction along U.S. Highway 40 approximately 3.3 miles to the junction of State Highway 45. Exit right and proceed in a southerly direction along State Highway 45 approximately 33.0 miles to the junction of a service road to the northwest. Exit right and proceed in a northwesterly direction along the service road approximately 1.2 miles to a second service road to the southwest. Exit left and proceed in a southwesterly direction along the second service road approximately 0.1 miles to the proposed access road. Follow road flags in a southeasterly direction approximately 510 feet to the proposed location.

Total distance from Vernal, Utah to the proposed well location is approximately 37.7 miles.



# WORKSHEET APPLICATION FOR PERMIT TO DRILL

**APD RECEIVED:** 12/27/2010 **API NO. ASSIGNED:** 43047514280000 WELL NAME: Thurston 8-9-9-24 **OPERATOR:** THURSTON ENERGY OPERATING (N2790) **PHONE NUMBER:** 435 789-8580 **CONTACT:** Russell H. Cox PROPOSED LOCATION: SENE 09 090S 240E Permit Tech Review: **SURFACE: 1714 FNL 0669 FEL Engineering Review: BOTTOM:** 1714 FNL 0669 FEL Geology Review: **COUNTY: UINTAH LATITUDE: 40.05287 LONGITUDE:** -109.21139 **UTM SURF EASTINGS: 652566.00** NORTHINGS: 4434948.00 FIELD NAME: DEVILS PLAYGROUND LEASE TYPE: 1 - Federal **LEASE NUMBER:** U-5217 PROPOSED PRODUCING FORMATION(S): MESA VERDE SURFACE OWNER: 1 - Federal **COALBED METHANE: NO RECEIVED AND/OR REVIEWED: LOCATION AND SITING:**  PLAT R649-2-3. Bond: FEDERAL - UT-000181 Unit: **Potash** R649-3-2. General Oil Shale 190-5 Oil Shale 190-3 R649-3-3. Exception Oil Shale 190-13 ✓ Drilling Unit **Water Permit:** White River Permit #49-2286 Board Cause No: Cause 179-15 **RDCC Review:** Effective Date: 7/17/2008 Siting: 460' Fr Exterior Lease Boundary **Fee Surface Agreement Intent to Commingle** R649-3-11. Directional Drill **Commingling Approved** Presite Completed **Comments:** 

Stipulations:

4 - Federal Approval - dmason

API Well No: 43047514280000



# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA

## Permit To Drill

\*\*\*\*\*\*

Well Name: Thurston 8-9-9-24 **API Well Number:** 43047514280000

Lease Number: U-5217 **Surface Owner:** FEDERAL **Approval Date:** 12/28/2010

#### Issued to:

THURSTON ENERGY OPERATING, 365 W. 50 N. Ste W-8, Vernal, UT 84078

#### **Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 179-15. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

#### **Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

#### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### **Conditions of Approval:**

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

• Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available) OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules

API Well No: 43047514280000

will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) due within 5 days of spudding the well
- Monthly Status Report (Form 9) due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) due prior to implementation
- Written Notice of Emergency Changes (Form 9) due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) due prior to implementation
- Report of Water Encountered (Form 7) due within 30 days after completion
- Well Completion Report (Form 8) due within 30 days after completion or plugging

**Approved By:** 

For John Rogers Associate Director, Oil & Gas Form 3160-3 (August 2007)

#### UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM A	PPROVEI
OMB No.	1004-0137
Expires Jul	ly 31, 2010

5.	Lease	Serial	No.	
15	247			

APPLICATION FOR PERMIT TO	DRILL (	R REENTER		6. II mulan, Anotee	or tribe Name	
la. Type of work:  DRILL  REENT	ER			7 If Unit or CA Agr	eement, Name a	nd No.
lb. Type of Well: Oil Well Gas Well Other	<b>V</b>	Single Zone Multip	ple Zone	8. Lease Name and Thurston 8-9-9-24	Well No.	
2. Name of Operator Thurston Energy Operating Company				9. API Well No. 43-041	-51428	9
3a. Address 360 W 50 N W-8 Vernal, UT 84078	3b. Phone 3	No. (include area code) 8580		10. Field and Pool, or Devil's Playground		
4. Location of Well (Report location clearly and in accordance with ar	ty State requir	ements.*)		11. Sec., T. R. M. or E		r Area
At surface 1714' FNL 669' FEL, SENE Sec 9, T9S, R246	E, SLB&M			SENE Sec. 9, T9S	, R24E SLB&	.M
At proposed prod. zone same						
<ol> <li>Distance in miles and direction from nearest town or post office*</li> <li>37.7 miles south of Vernal, Utah</li> </ol>				12. County or Parish Uintah	13. S Ut	State
15. Distance from proposed* 669' location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of 120	acres in lease	17. Spacing	Unit dedicated to this	well	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Propo 8000'	sed Depth	20. BLM/B	IA Bond No. on file 181		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5133.0' GL	22. Appro 04/01/20	ximate date work will sta 011	rt*	23. Estimated duration 30 days	on ,	
	24. Att	achments				
The following, completed in accordance with the requirements of Onsho	re Oil and Ga	s Order No.1, must be a	ttached to this	s form:		
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO must be filed with the appropriate Forest Service Office).</li> </ol>	Lands, the	Item 20 above).  5. Operator certific	cation	s unless covered by an	Ü	`
25. Signature		ne (Printed/Typed)			Date	
Title Total	Rus	sell Cox			12/29/2010	
Operations Manager						
Approved by (Signature)	Nan	ne (Printed/Typed) Jerry I	Kencz	ka	Date JUN	1 4 201
Title Assistant Field Manager Lands & Mineral Resources	Offi	" VERN	AL FIE	LD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Conditions of approval, if any, are attached.

Lands & Mineral Resources

**CONDITIONS OF APPROVAL ATTACHED** 

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on page 2)

\*(Instructions on page 2)

**NOTICE OF APPROVA** 



DEC 3-8 2010

JUN 2 0 2011

DIV. OF OIL, GAS & MININ

BLM VERNAL, UTAH





## UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT VERNAL FIELD OFFICE**

**VERNAL, UT 84078** 

(435) 781-4400

SENE, Sec. 9, T9S, R24E



# CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Well No:

Thurston Energy Operating Company Location:

170 South 500 East

Thurston 8-9-9-24

API No: 43-047-51428

Lease No: **Agreement:** 

UTU-5217

N/A

**OFFICE NUMBER:** 

(435) 781-4400

**OFFICE FAX NUMBER:** 

(435) 781-3420

## A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.

#### NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	_	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut vn opreport@blm.gov.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

Page 2 of 7 Well: Thurston 8-9-9-24

6/13/2011

## SURFACE USE PROGRAM CONDITIONS OF APPROVAL (COAs)

Well Numbers: 8-9-9-24, 5-19-9-24, and 5-17-9-24

DOI-BLM-UT-G010-2011-0249-EA

 All new and replacement internal combustion gas field engines of less than or equal to 300 designrated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.

- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop
  work and contact the Authorized Officer (AO). A determination will be made by the AO as to what
  mitigation may be necessary for the discovered paleontologic material before construction can
  continue.
- Additional Surface Conditions of Approval or monitoring are listed in the Surface Use Plan
  of the APDs.
- The 8-9-9-24 location is near the Kennedy Wash Floodplain. Thurston has agreed to double the liner for the reserve pit on this location to further prevent any hydrocarbons from getting into the channel itself.
- Corner # 8 on the 5-19-9-24 location needs to be brought in and rounded to get it away from small wash.
- A ROW for the 5-19-9-24 needs to be updated or approved prior to any upgrades to the existing access road.
- All production equipment will be painted Covert Green to help blend in with surrounding vegetation.
- On all locations a permanent reference point must be established prior to any reclamation activities.
   This reference point helps to establish the criteria for successful reclamation based on the Green River District Reclamation Guidelines.
- A dike/berm would be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater-treater). It would be constructed of compacted subsoil, be impervious, hold 110% of the capacity of the largest tank, and be independent of the back cut.
- The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear. The existing access road surface and pad area will be kept free of trash during all operations. All traffic will be confined to the approved disturbed surface area.

Page 3 of 7 Well: Thurston 8-9-9-24 6/13/2011

- The operator will control noxious weeds and invasive plants along corridors for roads, pipelines, well sites, or other applicable facilities, through a Pesticide Use Permit (PUP).
- Due to the occurrence of vertebrate fossils a permitted paleontologist must be present to monitor the construction of the proposed access road for well pad 5-19-9-24.
- An Interim Surface Reclamation Plan for surface disturbance on the well pad, access road, and pipeline has been completed and will be followed for reclamation of the surface. At a minimum, this will include the Best Management Practice of the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, reseeding the unused area using appropriate reclamation methods (Thurston's reclamation plan).

The interim/final seed mix for reclamation will be:

Table 2.3.5 Interim/Final Reclamation Seed Mixture

Common name	Latin name	lbs/acre	Recommended seed planting depth
Squirreltail grass	Elymus elymoides	3.0	1/4 - 1/2"
Siberian Wheatgrass	Agropyron fragile	2.0	1/2"
Needle and Thread	Stipa comata	3.0	1/2"
Bluebunch Wheatgrass	Pseudoroegneria spicata	3.0	1/2"
Shadscale	Atriplex confertifolia	0.50	1/2"
Gardner's saltbush	Atriplex gardneri	0.50	1/2"
Scarlet globemallow	Sphaeralcea coccinea	0.10	1/8□−1/4"

- All pounds are pure live seed.
- All seed and mulch will be certified weed free.
- Rates are set for drill seeding; double rate if broadcasting.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.

Page 4 of 7 Well: Thurston 8-9-9-24

6/13/2011

# DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

#### SITE SPECIFIC DOWNHOLE COAs:

- Production casing cement shall be brought up and into the surface casing. The minimum cement top is 200 ft above the surface casing shoe.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 40 feet for air rig drilling operations.
   All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

#### DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times.
   Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and <u>NOT</u> by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- Cement baskets shall not be run on surface casing.
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is
  encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal
  Field Office.

Page 5 of 7 Well: Thurston 8-9-9-24 6/13/2011

• The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the

• A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

report (along with a telephone number) should the BLM need to obtain additional information.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM,
   Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

Page 6 of 7 Well: Thurston 8-9-9-24

#### 6/13/2011

#### **OPERATING REQUIREMENT REMINDERS:**

 All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.

- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at <a href="https://www.ONRR.gov">www.ONRR.gov</a>.
- Should the well be successfully completed for production, the BLM Vernal Field office must be
  notified when it is placed in a producing status. Such notification will be by written communication
  and must be received in this office by not later than the fifth business day following the date on
  which the well is placed on production. The notification shall provide, as a minimum, the following
  informational items:
  - o Operator name, address, and telephone number.
  - Well name and number.
  - o Well location (1/41/4, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - o Unit agreement and/or participating area name and number, if applicable.
  - o Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs,

Page 7 of 7 Well: Thurston 8-9-9-24 6/13/2011

core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office
  Petroleum Engineers will be provided with a date and time for the initial meter calibration and all
  future meter proving schedules. A copy of the meter calibration reports shall be submitted to the
  BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid
  hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall
  be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering
  lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a
  suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be
  obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover
  equipment shall be removed from a well to be placed in a suspended status without prior approval
  of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior
  approval of the BLM Vernal Field Office shall be obtained and notification given before resumption
  of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office
  Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in
  order that a representative may witness plugging operations. If a well is suspended or abandoned,
  all pits must be fenced immediately until they are backfilled. The "Subsequent Report of
  Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of
  the well bore, showing location of plugs, amount of cement in each, and amount of casing left in
  hole, and the current status of the surface restoration.

Sundry Number: 1-6351 Approval of this: 43047514280000

Action is Necessary

STATE OF UTAH			FORM 9
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: U-5217
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: THURSTON 8-9-9-24
2. NAME OF OPERATOR: THURSTON ENERGY OPERATING			9. API NUMBER: 43047514280000
<b>3. ADDRESS OF OPERATOR:</b> 365 W. 50 N. Ste W-8 , Vernal, UT, 84078 214 704-3896 Ext			9. FIELD and POOL or WILDCAT: DEVILS PLAYGROUND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1714 FNL 0669 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 09 Township: 09.0S Range: 24.0E Meridian: S			COUNTY: UINTAH
			STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPORT	, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION		
Please be advised th	□ CHANGE TO PREVIOUS PLANS     □ CHANGE WELL STATUS     □ DEEPEN     □ OPERATOR CHANGE     □ PRODUCTION START OR RESUME     □ REPERFORATE CURRENT FORMATION     □ TUBING REPAIR     □ WATER SHUTOFF     □ WILDCAT WELL DETERMINATION  MAPLETED OPERATIONS. Clearly show all per at Thurston Energy will be stand for the Thurston 8-9-9-24 w.	arting construction work ovell on July 5, 2011.	NEW CONSTRUCTION □ PLUG BACK □ RECOMPLETE DIFFERENT FORMATION □ TEMPORARY ABANDON □ WATER DISPOSAL □ APD EXTENSION OTHER: volumes, etc.
NAME (PLEASE PRINT) Patti Cox	<b>PHONE NUMBER</b> 435 789-8580	TITLE Operations Manager	
SIGNATURE N/A		<b>DATE</b> 7/1/2011	

Sundry Number: 17015 API Well Number: 43047514280000

			FORM 9		
STATE OF UTAH					
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING			5.LEASE DESIGNATION AND SERIAL NUMBER: U-5217		
SUNDRY NOTICES AND REPORTS ON WELLS			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			7.UNIT or CA AGREEMENT NAME:		
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: THURSTON 8-9-9-24				
2. NAME OF OPERATOR: THURSTON ENERGY OPERATING			9. API NUMBER: 43047514280000		
<b>3. ADDRESS OF OPERATOR:</b> 365 W. 50 N. Ste W-8 , Vernal, UT, 84078  PHONE NUMBER: 214 704-3896 Ext			9. FIELD and POOL or WILDCAT: DEVILS PLAYGROUND		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1714 FNL 0669 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 09 Township: 09.0S Range: 24.0E Meridian: S			COUNTY: UINTAH		
			STATE: UTAH		
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
	ACIDIZE	☐ ALTER CASING	CASING REPAIR		
☐ NOTICE OF INTENT	CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	CHANGE WELL NAME		
Approximate date work will start:	CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	CONVERT WELL TYPE		
SUBSEQUENT REPORT Date of Work Completion:	DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION		
Date of Work Completion.	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK		
	☐ PRODUCTION START OR RESUME	RECLAMATION OF WELL SITE	RECOMPLETE DIFFERENT FORMATION		
✓ SPUD REPORT  Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPAIR WELL	TEMPORARY ABANDON		
7/19/2011	☐ TUBING REPAIR	VENT OR FLARE	WATER DISPOSAL		
DRILLING REPORT Report Date:					
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION		
	WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Please be advised that the Thurston 8-9-9-24 well was spudded on 7/19/2011  at 22:00.  Accepted by the					
			Jtah Division of I, Gas and Mining		
			-		
		FOR	R RECORD ONLY		
NAME (DI EACE DRINT)	DUONE NUMBER	TITLE			
NAME (PLEASE PRINT) Patti Cox	<b>PHONE NUMBER</b> 435 789-8580	Business Manager			
SIGNATURE N/A		<b>DATE</b> 7/27/2011			

Sundry Number: 1-6807a Approval of this: 43047514280000

Action is Necessary

	STATE OF UTAH		FORM 9
	DIVISION OF OIL, GAS, AND MI		5.LEASE DESIGNATION AND SERIAL NUMBER: U-5217
SUNDF	RY NOTICES AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe agged wells, or to drill horizontal laterals.		7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well			8. WELL NAME and NUMBER: THURSTON 8-9-9-24
2. NAME OF OPERATOR: THURSTON ENERGY OPERATION	NG		9. API NUMBER: 43047514280000
3. ADDRESS OF OPERATOR: 365 W. 50 N. Ste W-8 , Verna		ONE NUMBER: 896 Ext	9. FIELD and POOL or WILDCAT: DEVILS PLAYGROUND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1714 FNL 0669 FEL			COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SENE Section: 09	P, RANGE, MERIDIAN: Township: 09.0S Range: 24.0E Meridian:	: S	STATE: UTAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPORT,	OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
Approximate date work will start:	✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
8/1/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT	☐ DEEPEN	FRACTURE TREAT	☐ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	OTHER	OTHER:
Thurston Energy Opplan total depth for t	perating Company wish to che Thurston 8-9-9-24 well.	ange the approved drilling Approved TD was 8,000' an	d _
we wish to change to	o 6,000' TD. Formation object River, Wasatch and Mesav		Utah Division of Oil, Gas and Mining
		D	oate: 08/01/2011
		В	y: Bacyfill
			7.7
NAME (PLEASE PRINT) Patti Cox	<b>PHONE NUMBE</b> 435 789-8580	R TITLE Business Manager	
SIGNATURE N/A		DATE 7/18/2011	

## STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM										
Operator:	Thurston Energy Operating	g Company	Operator Account Number: N 2790							
Address:	365 W. 50 N. Suite W-8	10-0 X								
	<sub>city</sub> Uintah									
	state UT	zip 84078	Phone Number: (435) 789-858	0						

#### Well 1

API Number	Well	Name	QQ	Sec	Twp	Rng	County
4304751428	Thurston 8-9-9-24	SENE	9	98	24E	Uintah	
Action Code	on Code Current Entity Ne		Spud Date		ie		tity Assignment Effective Date
Α	99999	18135	7/19/2011				7/26/11

Comments:

new well

CONTIDENTIAL

Well 2

API Number	Well	Name	QQ	QQ Sec Tw			Rng County			
Action Code	Current Entity Number	New Entity Number		Spud Date			lity Assignment Effective Date			
Comments:										

Well 3

API Number	Well	Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number		Spud Da	ie.	Entity Assignment Effective Date		
Comments:							

#### **ACTION CODES:**

A - Establish new entity for new well (single well only)

Name (Please Print)

B - Add new well to existing entity (group or unit well)

En all

c - Re-assign well from one existing entity to another existing entity
 D - Re-assign well from one existing entity to a new entity RECEIVED nature

Office Manager

Patti Cox

7/22/2011

E - Other (Explain in 'comments' section)

JUL 26 20 Hile

Date

(5/2000)

Sundry Number: 17586 Approval of this: 43047514280000

Action is Necessary

	STATE OF UTAH			FORM 9
	DEPARTMENT OF NATURAL RESOUR DIVISION OF OIL, GAS, AND M			EASE DESIGNATION AND SERIAL NUMBER: -5217
SUNDF	RY NOTICES AND REPORTS	ON WELLS	6.	IF INDIAN, ALLOTTEE OR TRIBE NAME:
	sals to drill new wells, significantly deepe gged wells, or to drill horizontal laterals.			JNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well				WELL NAME and NUMBER: HURSTON 8-9-9-24
2. NAME OF OPERATOR: THURSTON ENERGY OPERATIN	NG			<b>API NUMBER:</b> 3047514280000
3. ADDRESS OF OPERATOR: 365 W. 50 N. Ste W-8 , Verna		<b>ONE NUMBER:</b> 896 Ext		FIELD and POOL or WILDCAT: EVILS PLAYGROUND
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1714 FNL 0669 FEL				UNTY: INTAH
QTR/QTR, SECTION, TOWNSHI Qtr/Qtr: SENE Section: 09	P, RANGE, MERIDIAN: Township: 09.0S Range: 24.0E Meridian:	S		ATE: TAH
11. CHE	CK APPROPRIATE BOXES TO INDICA	ATE NATURE OF NOT	TICE, REPORT, OR	OTHER DATA
TYPE OF SUBMISSION		TYPE OF	ACTION	
	ACIDIZE	☐ ALTER CASING		CASING REPAIR
Approximate date work will start:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING		☐ CHANGE WELL NAME
8/19/2011	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUC	CING FORMATIONS	☐ CONVERT WELL TYPE
SUBSEQUENT REPORT	DEEPEN	☐ FRACTURE TREAT		□ NEW CONSTRUCTION
Date of Work Completion:	OPERATOR CHANGE	☐ PLUG AND ABANDON		☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	RECLAMATION OF WI	ELL SITE	RECOMPLETE DIFFERENT FORMATION
SPUD REPORT Date of Spud:	REPERFORATE CURRENT FORMATION	SIDETRACK TO REPA	IR WELL	TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE		WATER DISPOSAL
☐ DRILLING REPORT	☐ WATER SHUTOFF	☐ SI TA STATUS EXTEN	SION	APD EXTENSION
Report Date:	☐ WILDCAT WELL DETERMINATION	<b>✓</b> OTHER		OTHER: see attached procedure
12 DESCRIBE PROPOSED OF CO	MPLETED OPERATIONS. Clearly show all p	artinent details including	n dates denths volu	, <del></del>
			Date By:_	Accepted by the Utah Division of Oil, Gas and Mining
NAME (PLEASE PRINT) Patti Cox	<b>PHONE NUMBE</b> 435 789-8580	TITLE Business Mana	ger	
SIGNATURE N/A		<b>DATE</b> 8/15/2011		

Sundry Number: 17586 API Well Number: 43047514280000

#### **Thurston Energy Operating Company, LLC**

365 West 50 North Suite W-8 • Vernal, UT 84078 USA

Phone 435-789-8580 fax 435-789-8585

#### Thurston 8-9 Procedure

DAY 1 - MOVE IN TANKS AND FILL W/ 3% KCL, 500 BBLS.

DAY 2 – MOVE IN RIG & EQUIPMENT AND RU, SPOT TANK AND PUMP, NUBOP, STRAP 2 7/8 TBG. AND RUN IN TAG BOTTOM @ 6000' +/- AND CIRCULATE OUT CEMENT WATER W/ 3% KCL.

DAY 3 – POOH, RU WIRE LINE, RIH AND SHOOT PERFORATIONS IN GR @ 3750' – 3762' (MAKE SURE OPEN HOLE LOGS & BOND LOGS ARE CORRELATED) WITH 4 SPF, RD WIRE LINE, PICK UP 5 ½ CIBP AND SET AT 3850' 2 SKS CEMENT PICK UP TBG. PACKER & RIH, SET PACKER @ 3700' HANG OFF, SDFN

DAY 4 – RU HOT OILER AND CIRCULATE WITH HOT KCL WATER HEATED TO 150 DEGREES, BREAK DOWN W/ RIG PUMP AND GET PENETRATION RATE WITH 5, 10, & 15 MINUTE PSI READINGS, SI AND BLEED OFF, SWAB TEST, SDFN

DAY 5 - CHECK PSI, BLEED OFF PRESSURE, RU TO SWAB, HOT OIL & SWAB TEST, SDFN

DAY 6 – CHECK PSI, BLEED OFF, RELEASE PACKER & RBP, POOH AND LAY DOWN TOOLS, PICK UP PERFERATED JOINT, SEAT NIPPLE & RIH W/ 2 7/8 TBG. W/ SN. NDBOP, NUWH, SDFN

DAY 7 – CHECK PSI AND BLEED OFF, PICK UP DOWN HOLE PUMP (DOUBLE VALVE, CONFIGURED AS A TRASH PUMP) PICK UP  $^3\!\!/_4$  RODS AND RIH, SEAT PUMP AND HANG OFF, SDFN

DAY 8  $\scriptstyle-$  CHECK PSI AND BLEED DOWN, RDMO HOLE, HOOK UP UNIT, HOT OIL AND PUMP WELL, WAIT ON FRAC DATE

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

_		FORM A	PPROVED
<b>7</b> a.		OMB NO.	1004-0137
7	11	Expires: Octo	ber 31, 201
./ //			
<i>11 11</i> 1	A Land	in the later	

												JT J 52.		
la. Type of			i Well	Gas Well Work Ove	Dry	Ot						6. If India	lovee or	Mame
b. Type of	Completion		her:	Work Ove	r Deepen I	Plu	ıg Back 🔲 Dif	f. Resvr.	•			7. Unit or	CA Agreemen	nt Name and No.
2 Name of Thurston	Operator Energy Op	erating	Company	LLC							_	8. Lease N	ame and Well ON 8-9-9-24	No.
3. Address	4925 GREE	NVILLE AV	E. SUITE 84	O DALLAS TEX	AS 75206		3a. Phone 3	No. (inci	ude ar	ea code)				ł
4 Location	of Well (R	anort loc	ation clearl	u and in accor	dance with Fede	oual ua		2222				9. API We 43-047-5		
4. Location	SEC. 9	T9S, R2	24⊨		_		quirements)* 269FE	= 1				BONANZ	nd Pool or Ex A/DIRTYDE	ploratory :VIL
At surfac	ce			1 11-1	FINC	Q	00-116					11. Sec., T Survey	., R., M., end	BIPSK, AZZE
At top pro	od. interval i	reported l	pelow									12. County	or Parish	13. State
At total d			110 00						<i>1</i> 0.7			UINTAH 		UT
14. Date Sp 7/16/11	ouadea		7/28/	ite T.D. Reach	ed		16. Date Com			o Prod.		<ol> <li>Elevati DF.5142,</li> </ol>	ons (DF, RK) KB.5143,GL	B, RT, GL)* 5133
18. Total D	epth: MD			19. P	lug Back T.D.:	MD	5940				ge Plug Set		4000	
21. Type E SPECTR			nical Logs I L SPACEI	Run (Submit co DNEUTRON	py of each) I GAMMA RA	TVD Y/BOI	ND LOG			Vas well c		TVD No	Yes (Submit Yes (Submit	• /
23 Casing	and Liner R	Record (A	Report all st	rings set in we	-11)					Directional		No No	Yes (Submit	
Hole Size	Size/Gra		vt. (#/ft.)	Top (MD)	Bottom (M	D)	Stage Cementer	J	of Sks		Slurry Vol	. Cer	ment Top*	Amount Pulled
	14"			SURFACE	55'		Depth	100 C	of Cer LASS		(BBL)		FACE	
12 1/4	8 5/8/J5	5 36	5 8	SURFACE	1988'			905/1					FACE	
7 7/8	5.5/N80	17	7 6	350	6015			780/1	1.5#			650		
						-								
	<del>                                     </del>										_			
24. Tubing		2-4 (3 (72))	D-1	Dt. (1.52)	1 2:		* 10 5 -	·						
27/8	3780	Set (MD)	NA Packer	Depth (MD)	Size	_	Depth Set (MD)	Packer	Depth (	(MD)	Size	Dej	oth Set (MD)	Packer Depth (MD)
25. Produc	ing Intervals					20								<u> </u>
A) GREE	Formation N RIVER	n	371		Bottom 3780	-   9	Perforated In 3744-3756	terval		Siz		No. Holes /4SPF	OPEN	Perf. Status
B)		<del></del> -			-					'-		7011	OI LIV	
<u>C)</u>											-			
D)			*	· · · · · · · · · · · · · · · · · · ·					• • • • • • • • • • • • • • • • • • • •					
27. Acid, F	racture, Trea		ement Sque	eze, etc.										
3744-375		vai	SEE	FRAC RE	PORT			amount :	and Ty	pe of Ma	terial			
							· · · · · · · · · · · · · · · · · · ·							
28. Product	ian Intonu	1 A												
Date First		Hours	Test	Oil	Gas	Wate	r Oil Grav	ity	Ga	s	Producti	on Method		
Produced		Tested	Producti		MCF	BBL	Corr. Al	ΡI		avity	PUMP			
9/3/11	9/3/11	24		27	15	0								
Choke Size	Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Wate BBL	r Gas/Oil Ratio		¥í		ING			
0	SI O	160	<b>→</b>	27	15	0								
28a. Produc Date First			frant	lo:	h	h. v. v.	lou c							
Produced NA	1 col Date	Hours Tested	Test Producti	on BBL	Gas MCF	Wate BBL			Ga Gra	s avity	Producti	on Method		
Choke	Tbg. Press.	Csg	24 Hr.	Oil	Gas	Wate	r Gas/Oil		111.	ell Status				
Size	Flwg. SI	Press.	Rate	BBL	MCF	BBL			lw.	ai sialus			REC	EIVED 4 2013
*/6				<u> </u>									IALLO	1-2010
*(See insti	ructions and	spaces for	or additiona	l data on page	2)								es 254 D	4 2013

20h D	unikan Tari	ol C									
	uction - Inte Test Date	rval C Hours	Test	Oil	Gas	Water	Oil Gravity	, k	Gas .	Production Method	_
Produced NA		Tested	Production	BBL	MCF	BBL	Corr. API		Gravity		
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Status		
	uction - Inte Test Date	rval D Hours	Test	Oil		Water	67.0		~	h i :	
Produced	l'est Date	Tested	Production	BBL	Gas MCF	BBL	Oil Gravity Corr. API		Gas Gravity	Production Method	
Choke Size	Tbg. Press. Flwg. SI	Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio		Well Status		
28eDisBA	sition of Gas	s (Solid, use	ed for fuel, ve	nted, etc.)							
Show a	all important ng depth int	zones of p	Include Aquitorosity and coll, cushion use	ontents then	reof: Cored i	ntervals and all	l drill-stem test pressures and	s,	GREEN R		
For	nation	Тор	Bottom		Desc	riptions, Conte	ents, etc.			Name	Тор
GREEN RIV	/ED	2060	3770	DDOVE	_						Meas. Depth
PERFS	V.C.II	3744	3756	ISIP-125 5 MIN. 1 10 MIN. 15 MIN.	000 PSI						
WASATCH		3910	5300	DID NOT	TEST						
MESAVERI	DE	5330	6015	TON DID	TTEST						
SET CIB		' W/ 2 SK OND LO									
										RECE	EIVED
33. Indica	te which ite	ms have be	en attached by	y placing a	check in the	appropriate bo	xes:			DIV. OF OIL, G	4S & MANING
<b>✓</b> Elec	trical/Mecha	nical Logs	(1 full set req'o	i.)		Geologic Repor	t 🗖 D	ST Report		☐ Directional Survey	
Sun	dry Notice fo	or plugging	and cement ver	rification		Core Analysis	_	ther:			
34. I here	by certify th	at the foreg	oing and attac	ched inforn	nation is com	plete and corre	ct as determine	d from all	l available re	cords (see attached instructions)*	
N	ame <i>(please</i>	print)					Title				
Si	ignature						Date	· · · · · · · · · · · · · · · · · · ·			
Title 18 U	S.C. Section	n 1001 and dulent state	Title 43 U.S.	C. Section esentations	1212, make i	t a crime for an	y person know	ringly and	willfully to 1	make to any department or agency	of the United States any
	d on page 3)										(Form 3160 / page 2

#### **Load Sheet**



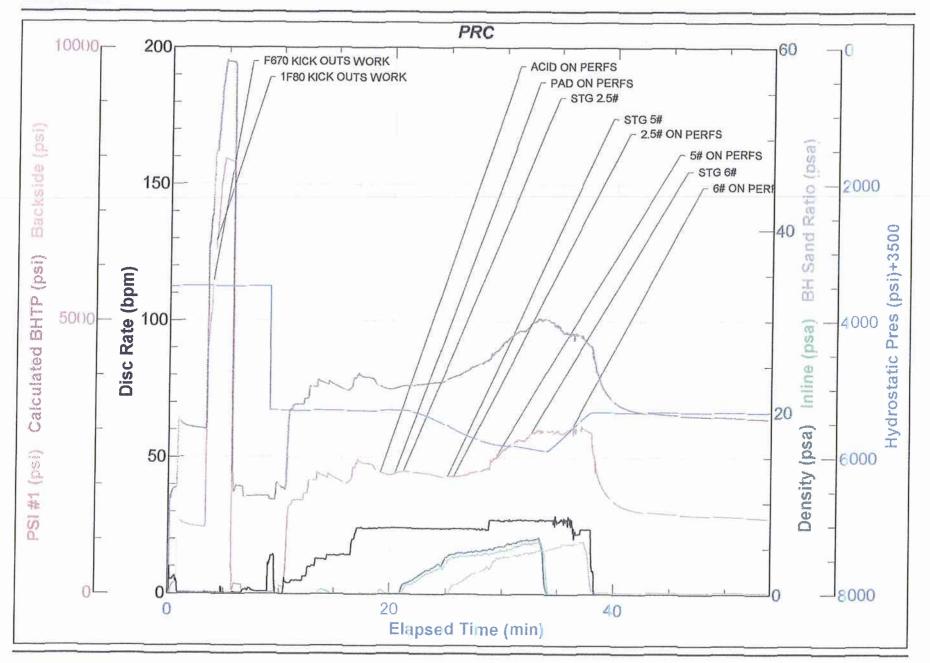
ISPATCH SHEET NO USTOMER CUSTOMER (NOT FOR BILLIN	IG)	DATE MAY-26	TE MAY-26-2012					
RANCH BULK PLANT BJS, VERNAL	FIELD R	FIELD RECEIPT NO 1001911625 FIELD RECE						
	ITEM			QUANTITY LOADED/		NET USAGE	VERIFIE TO FIEL RECEIF	
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Sand, White, 20/40	100002	cwt	507.6			507.6 3		
Ferrotrol 300L	100091	gals	500		*******	500		
HCI, 10.1 - 15%	398004	gals	500 650			105	Lincolnia de la constante de l	
GW-3LDF	411323	gals gals	3			3	***************************************	
Magnacide 575	488252	lbs	50		·	50		
ScaleSorb 3, 25 lb pail	488356	lbs	50		4	50		
ParaSorb 5000	488403		350			350		
XLW-10A	488416	gals	60			22		
InFlo 250W	488430	gals	210			45		
NE-900, tote	488514	gals	1		-	1		
CI-14	499779	gals	-		J		<del> </del>	
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Commented: 20% Hor Located visit De Oc								
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RETURNS VERIFIED BY			adamenta di signi considera di differenza arramania di considera di co		D/	ATE	·	
APPROVAL Kirt Pummell		v silvinista						
	OPERA	TIONS SUPERVISO	OR	***************************************				
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CUSTOMER SIGNATURE					ingina an water White part of the part of			
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Report Printed on: May 26, 2012 9:21 A	The second second	Page	<u> </u>		- MELIEIN	'EU		



BJ Services JobMaster Program Version 3.50

Job Number: 1001911625 Customer: THURSTON

Well Name: THURSTON 8-9-9-24 STG 1

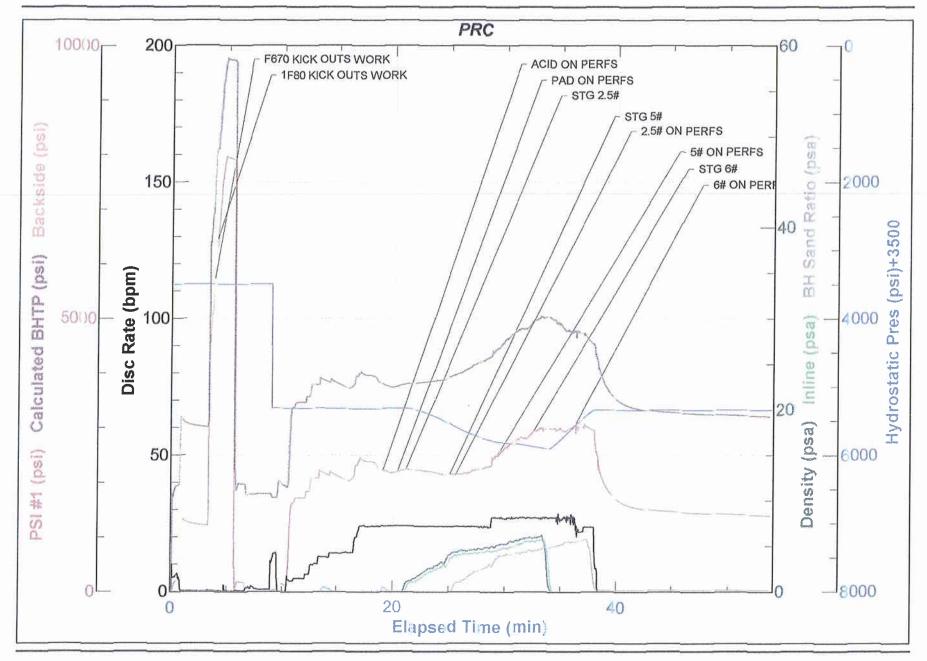




BJ Services JobMaster Program Version 3.50

Job Number: 1001911625 Customer: THURSTON

Well Name: THURSTON 8-9-9-24 STG 1





# BJ Services JobMaster Program Version 3.50 Job Number: 1001911625 Customer: THURSTON Well Name: THURSTON 8-9-9-24 STG 1

Clock Time (min)	Time of Day	Event Code	Event Description
36.89	May 26, 2012, 08:32;55	999	"ACID ON PERFS "
38.29	May 26, 2012, 08:34:19	999	"PAD ON PERFS"
39.10	May 26, 2012, 08:35:07	999	"STG 2.5#"
42.86	May 26, 2012, 08:38:53	999	"STG 5#"
43.27	May 26, 2012, 08;39:17	999	"2.5# ON PERFS"
47.21	May 26, 2012, 08:43:14	999	"5# ON PERFS"
50.33	May 26, 2012, 08:46:21	999	"STG 6# "
54.02	May 26, 2012, 08:50;02	999	"6# ON PERFS "
56,14	May 26, 2012, 08:52:10	999	"SHUT DOWN ALL FLUSHED "



BJ Services JobMaster Program Version 3.50 Job Number: 1001911625 Customer: THURSTON Well Name: THURSTON 8-9-9-24 STG 1

Time of Day	PSI #1 (psi)	PSI #2 (psi)	Disc Rate (bpm)	Disc Total (bbl)	Clean Rate (bpm)	Clean Total (bbl)	Density (psa)	Inline (psa)	Inline Total (psa)	Sand Total (lbm)	RPM Total (lbm)	GE 1 VIS (cp
Saturday, May	26, 2012											
08:46:25 End stg 4	2936	3065	26.9	397.2	21.2	354.5	5.87	5.44	37353	40788	41580	12,1
08:47:25 08:47:59 End stg 5	2972 2977	3091 3132	27.1 27.1	424.2 439.2	21.1 27.2	375.8 391.0	5.37 0.20	5.58 0.56	42478 44633	46149 47445	46831 46831	12.1 12.1
08:48:59 08:50:00 08:51:00 08:52:00 08:53:00 08:55:00 08:55:00 08:56:00 08:56:00 08:59:00 09:01:00 09:02:00 09:03:00 09:04:00 09:06:00	2946 3033 3031 2555 1877 1664 1568 1519 1492 1475 1460 1449 1440 1431 1423 1416 1409 1401	3097 3212 3197 2697 1965 1739 1640 1593 1567 1550 1534 1523 1514 1505 1497 1488 1479 1469	26.4 26.4 23.6 8.5 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	466.7 493.6 516.2 538.2 539.4 539.4 539.4 539.4 539.4 539.4 539.4 539.4 539.4 539.4 539.4 539.4	26.4 20.7 25.6 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	415.3 443.2 468.5 491.3 491.4 491.4 491.4 491.4 491.4 491.4 491.4 491.4 491.4 491.4	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	44725 44725 44725 44725 44725 44725 44725 44725 44725 44725 44725 44725 44725 44725 44725 44725	47464 47464 47464 47464 47464 47464 47464 47464 47464 47464 47464 47464 47464	46831 46831 46831 46831 46831 46831 46831 46831 46831 46831 46831 46831 46831 46831 46831 46831	8.6 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7 4.7



BJ Services JobMaster Program Version 3.50 Job Number: 1001911625 Customer: THURSTON Well Name: THURSTON 8-9-9-24 STG 1

Time of Day	PSI #1 (psi)	PSI #2 (psi)	Disc Rate (bpm)	Disc Total (bbl)	Clean Rate (bpm)	Clean Total (bbl)	Density (psa)	Inline (psa)	Inline Total (psa)	Sand Total (lbm)	RPM Total (lbm)	GE 1 VIS
Saturday, N	May 26, 2012											(cp
07:56:01 07:57:08 07:58:08 07:59:08 08:00:08 08:01:09 08:02:09 08:03:09	1 1320 1238 1210 6448 7941 178	1 1340 1302 1276 6537 8037 210	0.0 0.1 0.1 0.1 0.1 0.1 0.2	0.1 5.0 5.1 5.2 5.4 5.6 5.9	0.0 8.8 0.0 0.0 0.0 0.0	0.0 7.1 8.9 8.9 8.9 8.9	0.00 0.00 0.00 0.00 0.00 0.00 0.00	0,00 0,00 0,00 0,00 0,00 0,00	0 0 0 0 0	0	0	0.0 0.0 0.0 0.0 0.0
08:04:09 08:22:55 08:23:55 08:24:55 08:25:55 08:26:55 08:27:55 08:28:55 08:29:55 08:30:02 08:31:02 08:32:03 08:34:03 08:34:31	0 0 13 144 1658 1721 2066 2141 2107 2034 2042 2421 2378 2209 2184 2212	60 57 145 277 1756 1904 2278 2333 2330 2255 2255 2614 2554 2387 2343 2375	1.2 0.8 10.4 0.1 4.0 4.8 10.1 12.5 14.1 14.3 14.3 24.1 24.1 24.0 24.0	6.4 7.6 5.0 11.6 14.2 18.9 27.0 38.8 52.4 66.7 67.8 18.3 42.5 66.4 90.0 101.5	0.0 0.0 14.8 0.0 3.9 4.7 8.1 12.3 13.8 14.2 14.3 24.4 24.0 24.0 24.0 24.3	8.9 8.9 4.6 15.5 17.1 21.8 28.8 40.2 55.2 69.7 70.8 18.2 42.4 66.3 90.0 101.6	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.35 0.00 0.00	0 0 0 1 1 1 81 152 0 0 0 3 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0
End stg 1 08:35:09 End stg 2	2239	2399	24.0	116.7	23.3	116.4	1.04	0.41	39	220	0 542	8.2 8.2
08:36:09 08:37:09 08:38:09 08:38:55 End stg 3	2229 2203 2155 2147	2381 2351 2302 2283	23,9 24.0 24.0 23.8	141.1 165.2 188.9 207.0	22.5 21.7 20.3 20.4	139.3 161.5 182.5 197.9	1.69 2.57 3.19 3.96	1.25 2.18 2.75 3.38	1048 2698 4932 6910	1480 3420 5909 8126	1861 3902 6487 8850	8.2 8.2 8.2 10.2
08:39:55 08:40:55 08:41:55 08:42:55 08:43:55 08:44:55 08:45:55	2145 2216 2263 2463 2656 2795 2848	2275 2343 2389 2589 2777 2919 2974	23.9 23.9 23.7 27.1 26.6 27.0 27.1	231.2 255.0 278.5 303.1 330.1 357.0 383.9	20.0 19.9 19.5 23.0 22.0 21.9 21.4	218.4 238.5 258.1 278.1 300.4 322.4 344.0	4.47 4.57 4.71 4.94 5.26 5.59 5.87	4.00 4.10 4.29 4.54 4.83 5.09 5.51	10234 13709 17275 21100 25482 30034 34887	11773 15509 19324 23424 28143 33080 38241	12384 16080 19877 23959 28798 33790 38974	10.2 10.2 10.2 10.2 10.2 12.1 12.1

#### STIMULATION TREATMENT REPORT



Date 26-M/	AV 12	District					The second section of the second seco				IUGHES	
Lease THUR	44-12 STON #8-9-9-24	District_V	ernal		F.R	eceipt_1	001911625	_ Custome	CUSTO	MER (NO	OT FOR BILLING	
Field DEVIL	S PLAYGROUN	ND			v	ven nan	ne_InuksIun#8-9	9-9-24 Stg	1			
	1		h				9-9S-24E 1	144. 11 4.51	ADI 400	1751 100		
WELL DAT	A Well Type:			21		Je 140		Well API_	- API 43(	J4/51428	0000	
Geometry Ty		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.	Well (		OIL	_	Depth TD/PB:	4500	Forma		GREEN RIVER	
TUBULAR	CSG	~	Weight	*****	Grade	Тор	Bottom	_		tervals		
TODODAK	CSG	5.5	15.5	4.95	J-55	0	4500	Тор	Bottom	SPF	Diameter	
								4200	4212	4	.38	
Packer Type_r		Packer	Depth 0		_ FT							
TREATMEN									LIC	DUID PLIN	MPED AND	
Fluid Type	Fluid De	sc Pum	ed Volume(	Gals)	Prop. De	escriptio	n Volume Pur	mned(I he)	CA	PACITIE	S IN BBLS.	
TREATMENT FLU		7			Sand, Wh	Arrena market and a second		47,464				
PAU	Lightning 1	7 Pad		4.900	,				Casina	Cap	0	
						1	otal Prop Qty:	47,464	Casing	Cap	100	
										Cap.		
										ole Cap.		
_										Load		
Previous Treatment N/A Previous					Production	on _	N/A	1		ume		
Hole Loaded V	Treat Via: Tubing					An	Tubing S.A.	nul 🗀	Treating Fluid 269.3			
	Stages Type					į i iusii					100.2	
Auxiliary Materials GW-3LDF, NE-900, GBW-22C			KLW-10A, PARASORB 5000, SCALESORB 3, INFLOW-250, MAGNICIDE						Overflus	h	0	
575								Fluid to	Recover	554.3		
				PF	ROCEDU	JRE SUI	MMARY					
Time AM/PM	Treating Pre	seura Dei	Surface	Slurry	Sluri	y Rate						
AWITH			BBLS. F	umped	E	PM		Comr	nents			
	STP	Annulus	Stage	Total								
07:45						*****************	SAFETY MEETING		TO become the second of the second			
08:01 08:20							PSI TEST@ 7867				manuscript of representation of the second s	
08:28	0 2165			16.8		5	OPEN WELL/ BRO	KE@ 1723	}		***************************************	
08:30	2065	*	.,	34	4   )		START ACID					
08:33	2215			64			STG. PAD & RESE ACID ON PERFS	<u>T</u>	***************************************			
08:34	2200			100			PAD ON PERFS				·····	
08:35 08:39	2230			116.7	7		STG. 2.5#					
08:39	2150 2150		Mar (A) (A)	206.8		24	STG. 5#		######################################		The second secon	
08:43	2520			216.7		24	2.5# ON PERFS	** ************************************		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
08:46	2900	-		306.8 396.6			5# ON PERFS STG. 6#	· · · · · · · · · · · · · · · · · · ·	~			
08:48	2950			439.2			STG. 6# STG. FLUSH					
08:50	3030			496.6			6# ON PERFS					
08:52				539.4			SHUTDOWN/ISIP@	2298	FG. 0.98	The state of the s	The company of the company	
reating Press	ure	Injection	Rates	6	hut In P	roceres		1	**************************************			
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/laximum	3065	Flush	27				2298	BJ Rep		JLIAN FE	RNANDEZ	
verage	2470	Average	25		Min.		191	Job Nu		10019	911625	
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and Didated as III												

Division of Oil, Gas and Mining

Operator Change/Name Change Worksheet-for State use only

Effective Date:

9/10/2014

FORMER OPERATOR:	NEW OPERATOR:	
Thurston Energy Operating Company	Shiny One Operating Company, LLC	
P.O. Box 1667	P.O. Box 1667	
Vernal, UT 84078	Vernal, UT 84078	
CA Number(s):	Unit(s):	

#### WELL INFORMATION:

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
See attached list									

#### **OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on:

12/10/2014

2. Sundry or legal documentation was received from the **NEW** operator on:

12/10/2015

3. New operator Division of Corporations Business Number:

5917957-0161

#### REVIEW:

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on:

N/A

2. Receipt of Acceptance of Drilling Procedures for APD on:

N/A

3. Reports current for Production/Disposition & Sundries:

1/4/2015

4. OPS/SI/TA well(s) reviewed for full cost bonding:

1/4/2015

5. UIC5 on all disposal/injection/storage well(s) approved on:

N/A

6. Surface Facility(s) included in operator change:

N/A

7. Inspections of PA state/fee well sites complete on (only upon operators request):

N/A

#### **NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number:

UTB000181

2. Indian well(s) covered by Bond Number:

3.State/fee well(s) covered by Bond Number(s):

579-146262-4

579-146263-2 579-146264-0

579-146265-7

#### **DATA ENTRY:**

1. Well(s) update in the <b>OGIS</b> on:	1/4/2015	
2. Entity Number(s) updated in <b>OGIS</b> on:	1/4/2015	
3. Unit(s) operator number update in <b>OGIS</b> on:	N/A	
4. Surface Facilities update in <b>OGIS</b> on:	N/A	
5. State/Fee well(s) attached to bond(s) in <b>RBDMS</b> on:	1/4/2015	
6. Surface Facilities update in <b>RBDMS</b> on:	N/A	

#### LEASE INTEREST OWNER NOTIFICATION:

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

1/4/2015

#### **COMMENTS:**

From: Thurston Energy Operating N2790 To: Shiny One Operating Company, LLC N4185

#### Effective 10 September 2014

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Туре	Status
RED WASH FED 1-18	18	090S	240E	4304730124	6200	Federal	Federal	GW	P
DEVILS PLAYGROUND 41-9	9	090S	240E	4304730339	6195	Federal	Federal	OW	P
DIRTY DEVIL FEDERAL 23-20	20	090S	240E	4304731009	10698	Federal	Federal	GW	P
DIRTY DEVIL 22X-27	27	0908	240E	4304734825	15109	Federal	Federal	GW	P
THURSTON 7-9-9-24 GR	9	090S	240E	4304740625	17771	Federal	Federal	OW	P
THURSTON 10-15-9-24	15	090S	240E	4304740626	17773	State	Federal	GW	P
THURSTON 12-29-9-24	29	090S	240E	4304740628	18119	State	Federal	GW	P
THURSTON 8-9-9-24	9	090S	240E	4304751428	18135	Federal	Federal	OW	P
DEVILS PLAYGROUND 23-17	17	090S	240E	4304730568	6136	Federal	Federal	GW	S
DIRTY DEVIL UNIT 11-29	29	090S	240E	4304731617	9586	State	Fee	GW	S
THURSTON 5-15-9-24	15	090S	240E	4304740627	17772	State	Federal	GW	S

1 1/4/2016

# Delaware The First State PAGE 1 RAMINION OF COLUMN PAGE 1 RAMINION O



I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "THURSTON ENERGY OPERATING COMPANY, LLC", CHANGING ITS NAME FROM "THURSTON ENERGY OPERATING COMPANY, LLC" TO "SHINY ONE OPERATING COMPANY, LLC", FILED IN THIS OFFICE ON THE TWENTY-FIRST DAY OF AUGUST, A.D. 2014, AT 3:24 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE TENTH DAY OF SEPTEMBER, A.D. 2014.

3972888 8100

141350778

Jeffrey W. Bullock, Secretary of State AUTHENTACATION: 1824738

DATE: 10-30-14

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 03:24 FM 08/21/2014
FILED 03:24 PM 08/21/2014
SRV 141097114 - 3972888 FILE

## STATE OF DELAWARE CERTIFICATE OF AMENDMENT

Name of Limited Liability Company: Thurston Ene Company, LLC  The Certificate of Formation of the limited liability compas follows:  The name of Thurston Energy Operating of Shall be changed to Shiny One Operating to be effective September 10,2014.	pany is hereby amend
as follows: The name of Thurston Energy Operating of shall be changed to Shiny One Operating	Company, LLC
as follows: The name of Thurston Energy Operating of shall be changed to Shiny One Operating	Company, LLC
shall be changed to Shiny One Operating	
IN WITNESS WHEREOF, the undersigned have execut	ted this Certificate or
the 20 day of August	, A.D. 2014 .

#### STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
	6, IF INDIAN, ALLOTTEE OR TRIBE NAME:
SUNDRY NOTICES AND REPORTS ON WELLS	7 UNITS OF SOUTH AT MANY
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugge drill hortzontal taterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: THUTGION 9.9.9.24
2. NAME OF OPERATOR: Stiny One Operating Company, 11C	9. API NUMBER: 4.305 E + 09
3. ADDRESS OF OPERATOR: PHONE NUMBE	
4. LOCATION OF WELL POOTAGES AT SURFACE:	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 9 · 090 G · 240 Q · 1813 5 FQQQFQ1	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTIC	E, REPORT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACT	
NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS  OPERATOR CHANGE  CHANGE TUBING  PLUG AND ABANDON	TUBING REPAIR  VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)  CHANGE WELL NAME  PLUG BACK  CHANGE WELL STATUS  PRODUCTION (STARTIRES)	WATER DISPOSAL  JME) WATER SHUT-OFF
Date of work completion:  COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SI	
CONVERT WELL TYPE RECOMPLETE - DIFFERENT	FORMATION
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, or	depths, volumes, etc.
0 FF 0 C + N O	RECEIVED
~	2014
	Dir of Cir Gas & Mining
thurston energy operating company as shiny one operating company. Ic	Ghail be knowen
NAME (PLEASE PRINT) CTUG FQ MOUNTS TITLE AGG)	stant Managor
SIGNATURE CYSTAIL MOORS DATE N	0.14
(This space for State use only)	PROVED

JAN 0 4 2016

(See Instructions on Reverse Side)

BY: Rachel Medica